CLAIMS

1. Tensioner (1) for a traction drive, in particular a belt drive, with a rotationally fixed housing (2) having one end formed with a recess for arrangement of a bearing receptacle (6), for receiving and guiding an axle (9) which is connected to a swivel arm (10) arranged on the side of the housing (2), wherein a rotatable tension roller is arranged on the free end of the swivel arm (10) and disposed upon the traction drive, and a torsion spring (7) in concentric surrounding relationship to the bearing receptacle (6) between the housing (2) and the swivel arm (10) for loading the swivel arm (10) in the direction of an end position and thereby simultaneously axially spreading apart these components, wherein a friction disk (11) is connected to the swivel arm (10) and is urged in forced engagement with the housing (2) for realizing a dampened adjusting movement, characterized in that at least one elastic insert (17a to 17e) fills over an axial partial length of the torsion spring (7) a circular ring shaped space (16, 19) which is radially defined by a portion of the housing (2) and the torsion spring (7).

2. Tensioner according to claim 1, characterized in that the insert (17a) is placed in the space (16) which is radially defined by the bearing receptacle (6) and the torsion spring (7).

3. Tensioner according to claim 1, characterized in that the insert (17b) is placed in the space (19) which is defined by the torsion spring (7) and an inner wall of the housing (2).

4. Tensioner according to claim 1, characterized in that the tensioner (1) includes two inserts (17a, 17b) for placement in the spaces (16 and 19).

5. Tensioner according to claim 1, characterized in that the insert (17a, 17c, 17d) is so placed as to realize a radial overlap between the outer diameter of the bearing receptacle (6) and the inner diameter of the insert (17a, 17c, 17d).

6. Tensioner according to claim 1, characterized in that an outer diameter of the insert (17a, 17b, 17c, 17d) exceeds the inner diameter of the torsion spring (7) in installed state.

7. Tensioner according to claim 1, characterized in that in the installation state, the inner diameter of the insert (17b) is smaller than the outer diameter of the torsion spring (7).

8. Tensioner according to claim 1, characterized by a tubular insert (17a, 17b) placed in the tensioner (1).

9. Tensioner according to claim 1, characterized by a tubular insert (17c, 17d) which, when viewed in half-section, has a U-shaped profile with walls substantially in parallel relationship.

10. Tensioner according to claim 9, characterized in that the walls (21, 22) of the insert (17c, 17d) have different lengths.

11. Tensioner according to claim 9, characterized in that the wall (24) of the insert (17d), resting against the torsion spring (7), is provided with at least one elongate slot (24).

12. Tensioner according to claim 9, characterized in that the insert (17c, 17d) circumscribes in an installation position with the shorter wall (22) the outer surface area of the bearing receptacle (6).

13. Tensioner according to claim 9, characterized in that the insert (17c, 17d) is supported in an installation position with the wall (21) by a mid-section "M" of the torsion spring (7).

14. Tensioner according to claim 1, characterized by an insert (17e) which is so positioned upon the bearing receptacle (6) that their calotte-shaped outer contour is supported with an equatorial plane upon the inside of the torsion spring (7).

15. Tensioner according to claim 1, characterized in that the axial length of the insert (17a) at least corresponds to the distance of three windings of the torsions spring (7) in installed state.

16. Tensioner according to claim 3, characterized in that the insert (17b) fixed in place in a ring groove (20) of the housing (2) embraces the outside of the torsion spring (7).

17. Tensioner according to claim 1, characterized in that the insert (17a) is non-detachable fixed in place upon the bearing receptacle (6) in the area of a contact surface (18), in particular by gluing.

18. Tensioner according to claim 1, characterized in that a plastic, in particular a PU-foam, is provided as material for the insert (17a to 17e).

Add A27

add B3